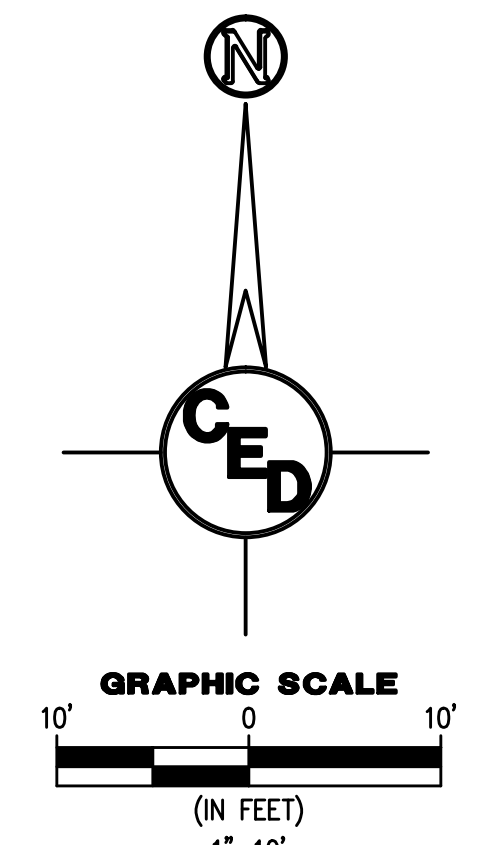
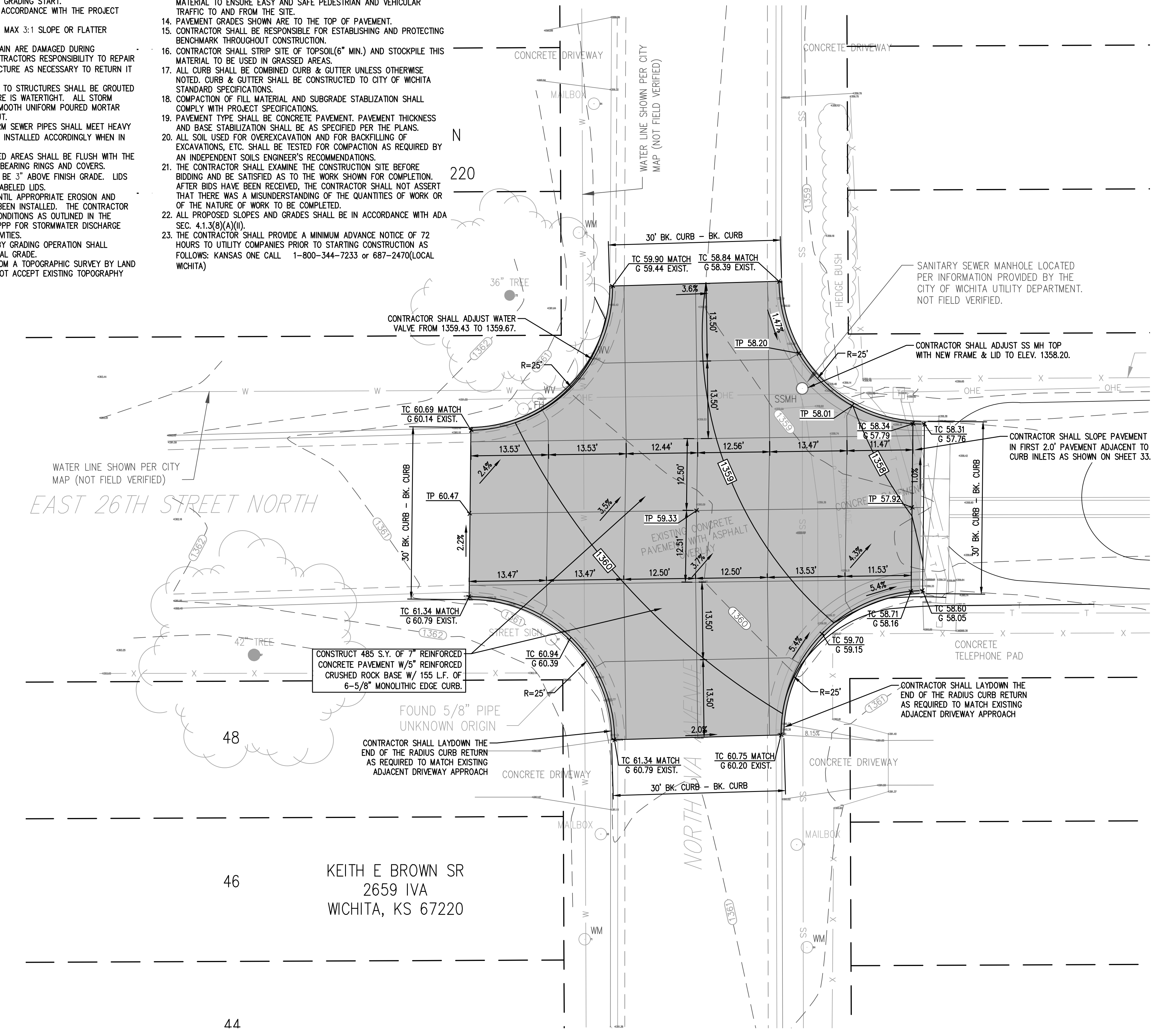


FILE LOCATION: S:\Drawing Files\Project DKW 12-7-09\27th St., N. & Iva Hot Spot\dwg\Valley Gutter Grading.dwg TAB NAME: INTERSECTION GRADING DETAIL (26TH & IVA) USER: dommichat. SAVED: 10/16/2011 5:01 PM PLOTTED: 10/21/2011 2:57 PM

- GRADING & DRAINAGE NOTES**
- THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF EXISTING UTILITIES ON SITE OR IN RIGHT-OF-WAY. ALL UTILITIES MUST BE LOCATED PRIOR TO GRADING START.
  - ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
  - ALL CUT OR FILL SLOPES SHALL BE A MAX 3:1 SLOPE OR FLATTER UNLESS OTHERWISE NOTED.
  - IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITION OR BETTER.
  - ALL STORM SEWER PIPE CONNECTIONS TO STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT. ALL STORM SEWER STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
  - ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H2O) LOADING AND BE INSTALLED ACCORDINGLY WHEN IN PAVED AND TRAFFIC AREAS.
  - ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING RINGS AND COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3" ABOVE FINISH GRADE. LIDS SHALL UTILIZE CITY "STORM SEWER" LABELED LIDS.
  - SITE GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERMIT AND THE SWPPP FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
  - ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL TO FINAL GRADE.
  - TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY

- AS SHOWN ON PLANS, CONTACT ENGINEER IMMEDIATELY.
- EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
  - CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
  - CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM THE SITE.
  - PAVEMENT GRADES SHOWN ARE TO THE TOP OF PAVEMENT.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND PROTECTING BENCHMARK THROUGHOUT CONSTRUCTION.
  - CONTRACTOR SHALL STRIP SITE OF TOPSOIL (6" MIN.) AND STOCKPILE THIS MATERIAL TO BE USED IN GRASSED AREAS.
  - ALL CURB SHALL BE COMBINED CURB & GUTTER UNLESS OTHERWISE NOTED. CURB & GUTTER SHALL BE CONSTRUCTED TO CITY OF WICHITA STANDARD SPECIFICATIONS.
  - COMPACTION OF FILL MATERIAL AND SUBGRADE STABILIZATION SHALL COMPLY WITH PROJECT SPECIFICATIONS.
  - PAVEMENT TYPE SHALL BE CONCRETE PAVEMENT. PAVEMENT THICKNESS AND BASE STABILIZATION SHALL BE AS SPECIFIED PER THE PLANS.
  - ALL SOIL USED FOR OVEREXCAVATION AND FOR BACKFILLING OF EXCAVATIONS, ETC. SHALL BE TESTED FOR COMPACTION AS REQUIRED BY AN INDEPENDENT SOILS ENGINEER'S RECOMMENDATIONS.
  - THE CONTRACTOR SHALL EXAMINE THE CONSTRUCTION SITE BEFORE BIDDING AND BE SATISFIED AS TO THE WORK SHOWN FOR COMPLETION. AFTER BIDS HAVE BEEN RECEIVED, THE CONTRACTOR SHALL NOT ASSERT THAT THERE WAS A MISUNDERSTANDING OF THE QUANTITIES OF WORK OR OF THE NATURE OF WORK TO BE COMPLETED.
  - ALL PROPOSED SLOPES AND GRADES SHALL BE IN ACCORDANCE WITH ADA SEC. 4.1.3(8)(A)(i).
  - THE CONTRACTOR SHALL PROVIDE A MINIMUM ADVANCE NOTICE OF 72 HOURS TO UTILITY COMPANIES PRIOR TO STARTING CONSTRUCTION AS FOLLOWS: KANSAS ONE CALL 1-800-344-7233 or 687-2470 (LOCAL WICHITA)



- GRADING LEGEND**
- 1350 - EXISTING CONTOUR ELEVATION
  - 1350 - PROPOSED CONTOUR ELEVATION
  - PROPOSED DRAINAGE FLOW DIRECTION
  - PROPOSED RIDGE LINE
  - PROPOSED FLOW LINE
  - FL 50.20 - PROPOSED SPOT ELEVATIONS
  - FL=FLOW LINE
  - TC=TOP OF CURB
  - G=GUTTER
  - TP=TOP OF PAVEMENT
  - SW=SIDEWALK
  - FG=FINISHED GRADE
  - FF=FINISHED FLOOR
  - HP=HIGH POINT
  - PROPOSED CONCRETE PAVEMENT

REV.	DESCRIPTION	DATE

**NORTH IVA & 27TH STREET NORTH**

**DRAINAGE IMPROVEMENTS**

SEC. 2, T27S, R1E  
 WICHITA, KANSAS

CERTIFIED ENGINEERING DESIGN, P.A.  
 CIVIL ENGINEERING SERVICES

**CEED**

1935 WEST MAPLE STREET  
 WICHITA, KANSAS 67213  
 PH.(316)262-8808 FAX.(316)262-1669

ISSUED FOR CONSTRUCTION

PROJECT NO.: 20101910  
 ISSUE DATE: 10/20/2011  
 CONTACT: C WINKLER / H FORAKER  
 DRAWN BY: CC, CW | CHECKED BY: HDF

**INTERSECTION GRADING DETAIL (26TH & IVA)**

